

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

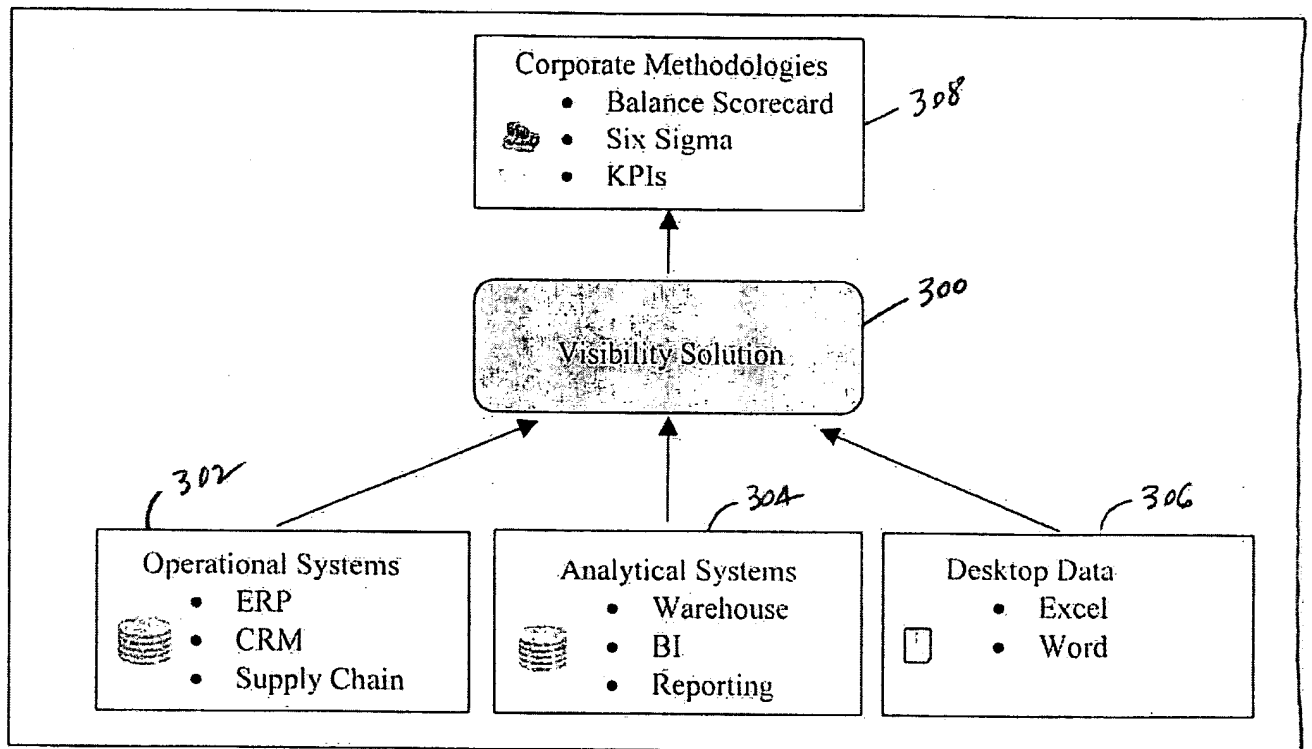


FIGURE 1

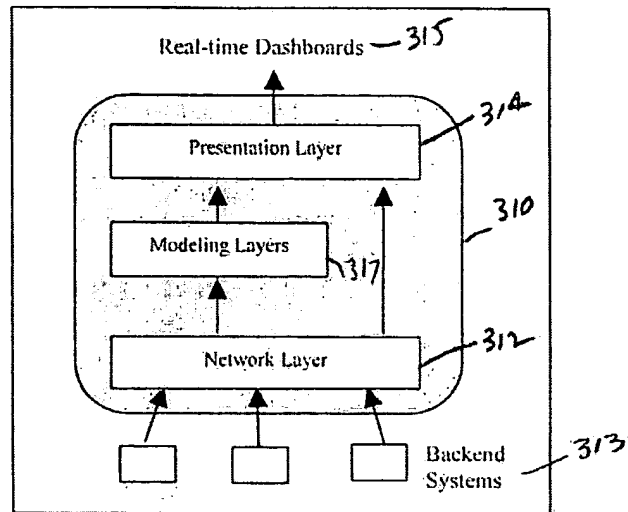


FIGURE 2

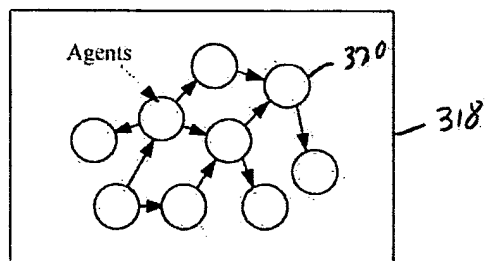


FIGURE 3

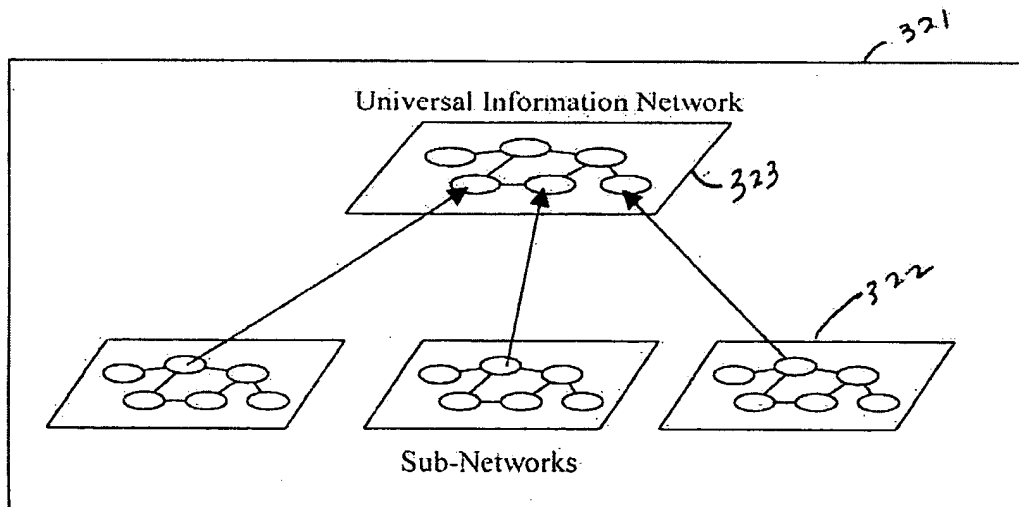


FIGURE 4

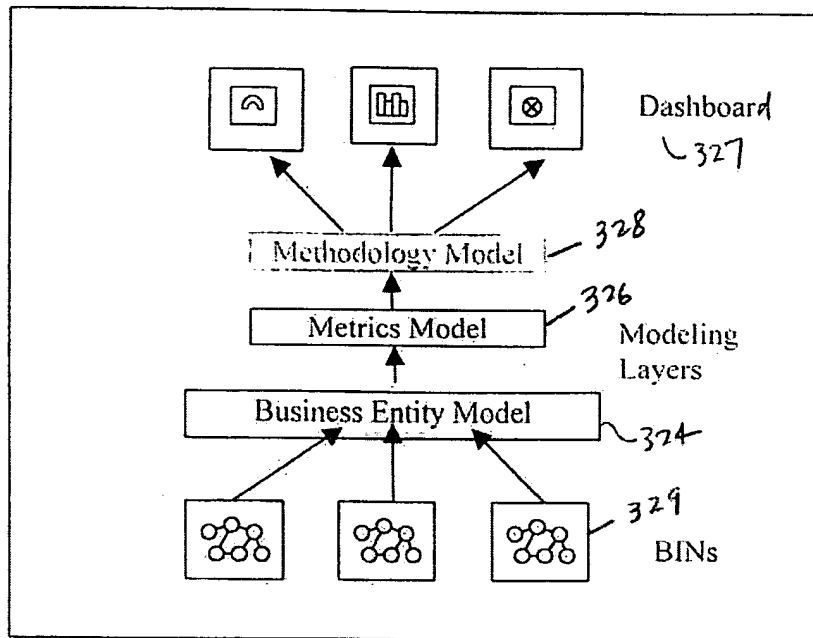


FIGURE 5

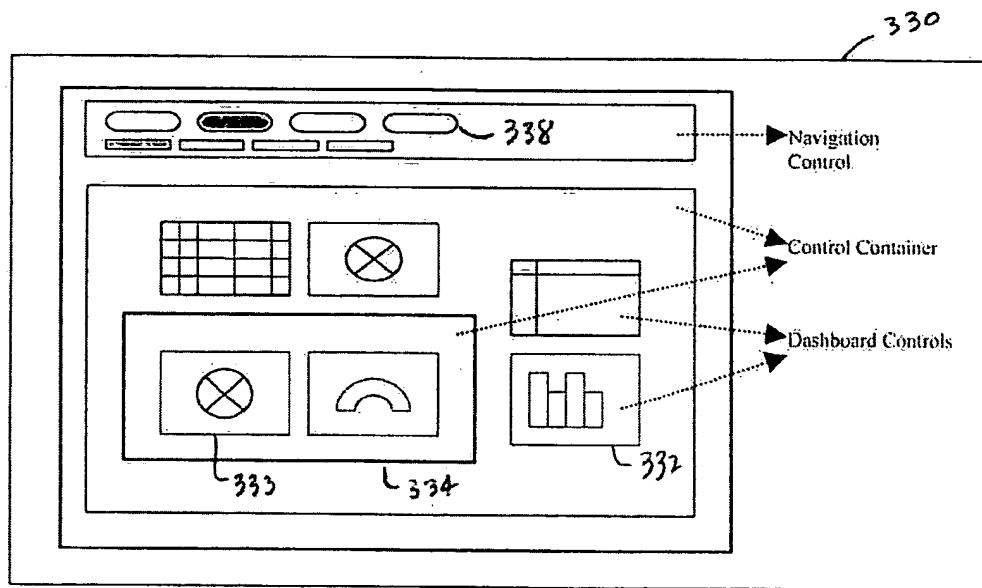


FIGURE 6

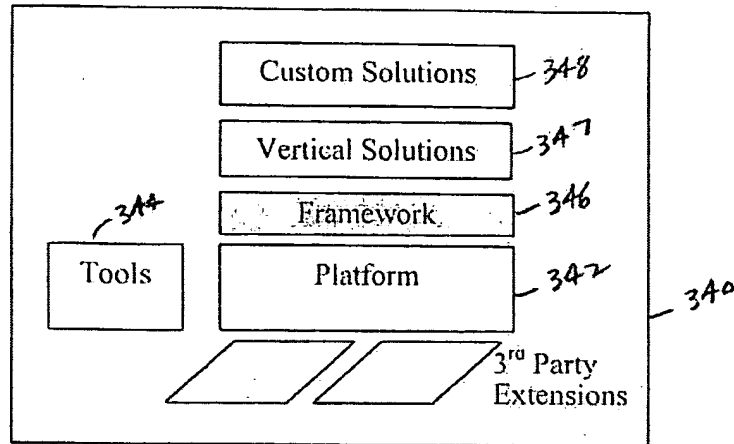


FIGURE 7

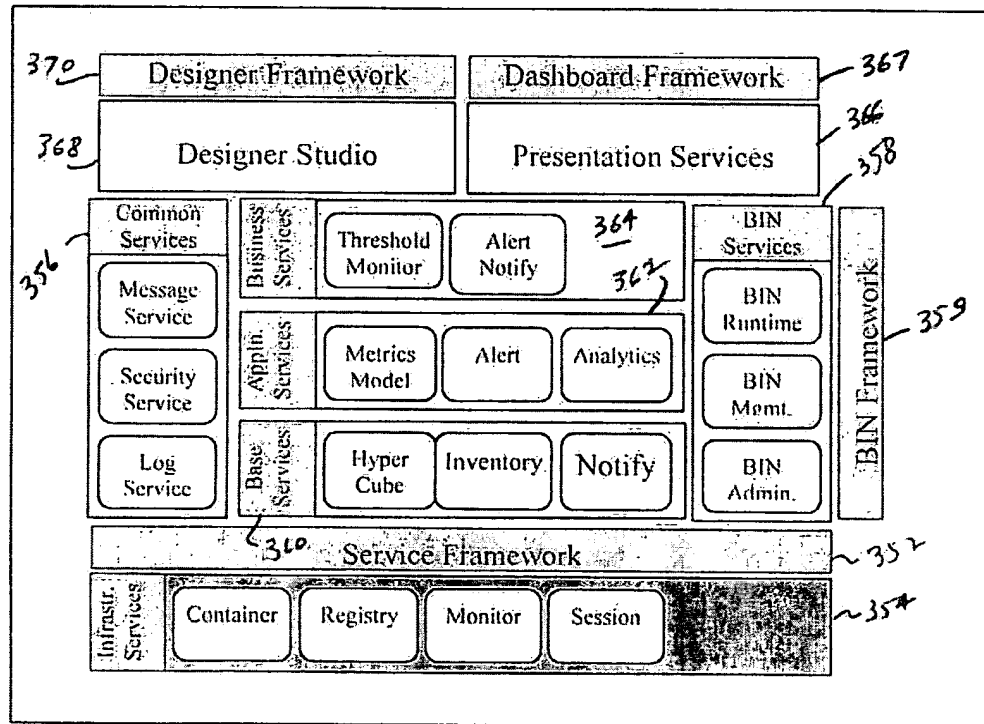


FIGURE 8

Category	Description	Services / Subsystems	Dependencies
Infrastructure	Set of services that provide the Service Framework. Every service complies with the service framework.	Container Registry Monitor Session	
Common	Used by all other services for all common application logic.	Message Security Log Cache	Common
Base	Base level independent Services.	HyperCube Inventory Notify	Common
BIN	Set of services that provide BIN (Business Information Network) framework.	BIN Runtime BIN Management BIN Admin BIN Publisher	Common
Application	Application-level Services that uses Base Services. Modular services that do not directly address business requirements.	Metrics Model Alert Assembly Analytics	Common Base
Business	Set of services that address business requirements. Uses other services to provide integrated functionalities.	Threshold Monitor Alert Notify	Common Base BIN Application Business
Presentation	Services that manage and render dashboards.	Presentation Runtime Presentation Management	Common BIN Base Application Business
Designer	Provides Framework for CXO Studio.	Dashboard Designer Network Builder Metrics Modeler User Manger Alerts Manger	Common BIN Base Application Business

FIGURE 9

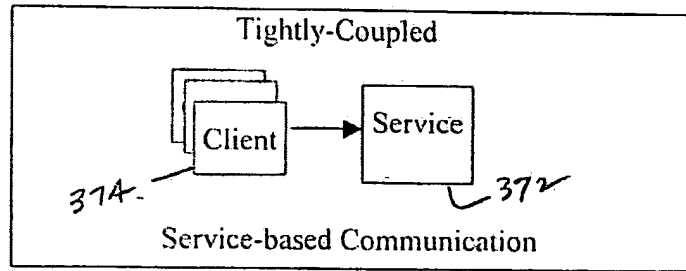


FIGURE 10

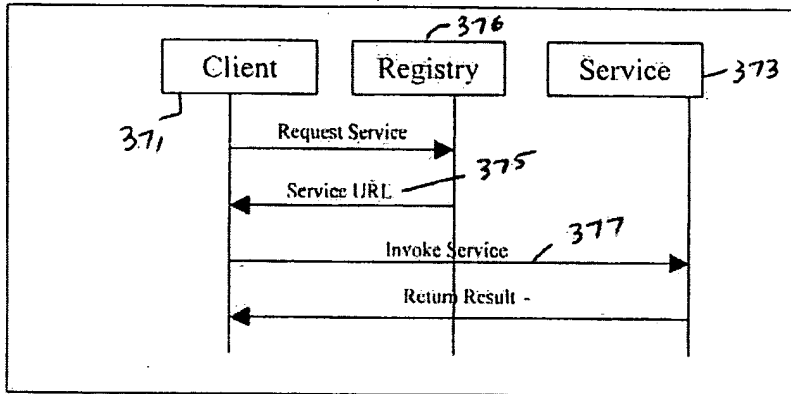


FIGURE 11

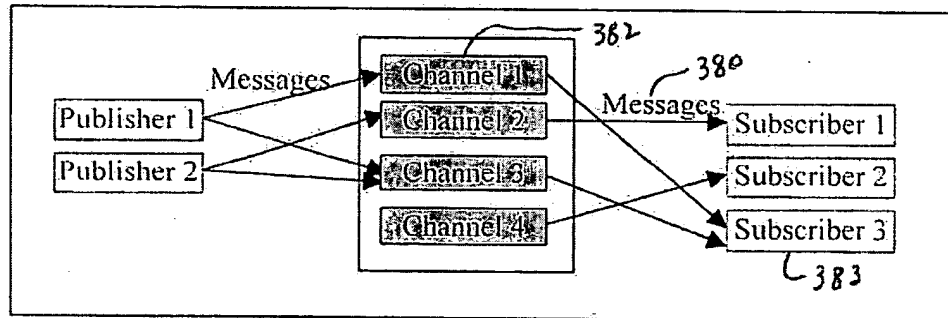


FIGURE 12

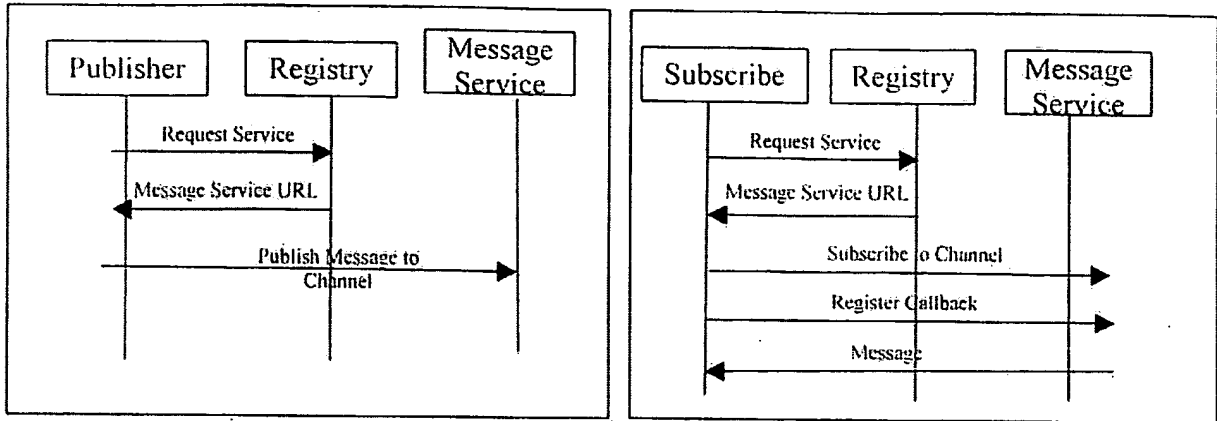


FIGURE 13

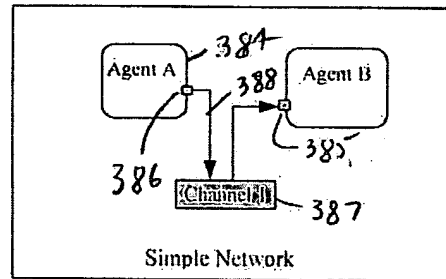


FIGURE 14

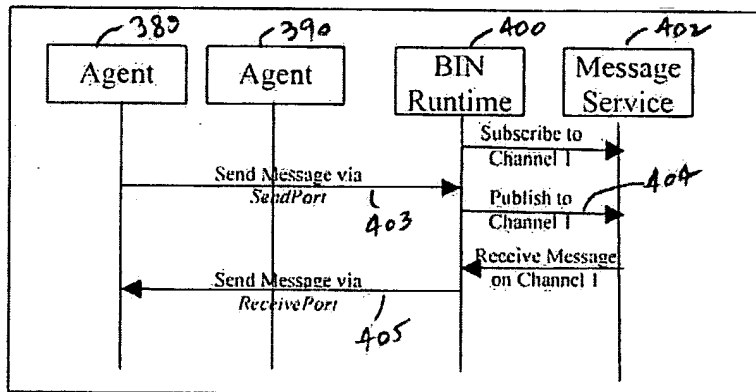


FIGURE 15

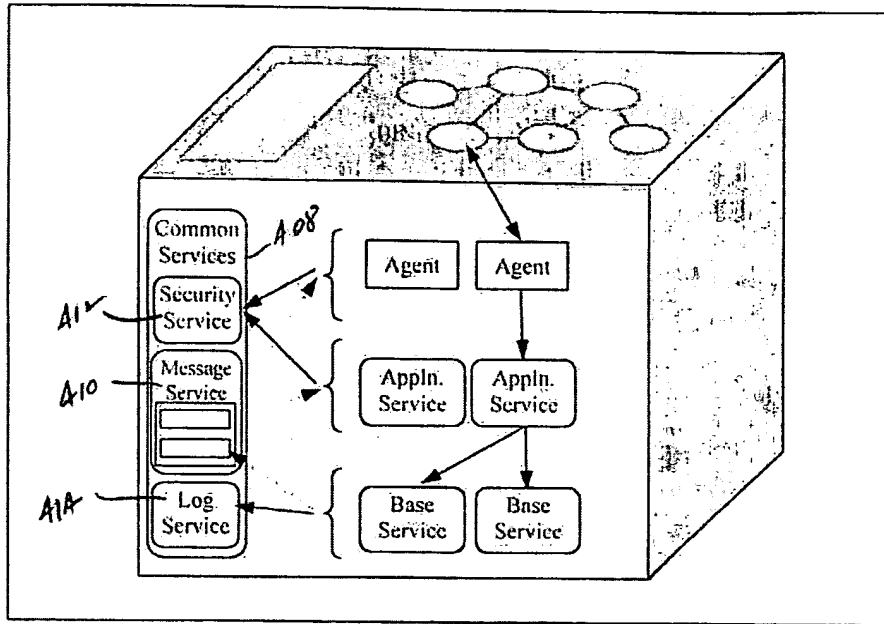


FIGURE 16

Category	Services	Can Access
Infrastructure	Container Registry Monitor Session	None
Common	Message Security Log	Common Services Message Security Log
Base	HyperCube Inventory Notify	Common Services Message Security Log
BIN	BIN Runtime BIN Management BIN Admin BIN Publisher	Common Services Message Security Log
Application	Metrics Model Alert Assembly Analytics	Common Services Message Security Log Base HyperCube Inventory Notify
Presentation	Presentation Runtime Presentation Management	Common Message Security Log Base HyperCube Inventory Notify Application Metrics Model Alert Assembly Analytics
Designer	Dashboard Designer Network Builder Metrics Modeler User Manger Alerts Manger	All Services

FIGURE 17

Service	Channel Name	Message Type	Description
Log	System.Log	LogMessage	Log Information is published in this channel by any client.
Security	System.Security	UserMessage	Security Service publishes Messages when Users are added or dropped in the system. Other services can use this channel for synchronizing their internal state.

FIGURE 18

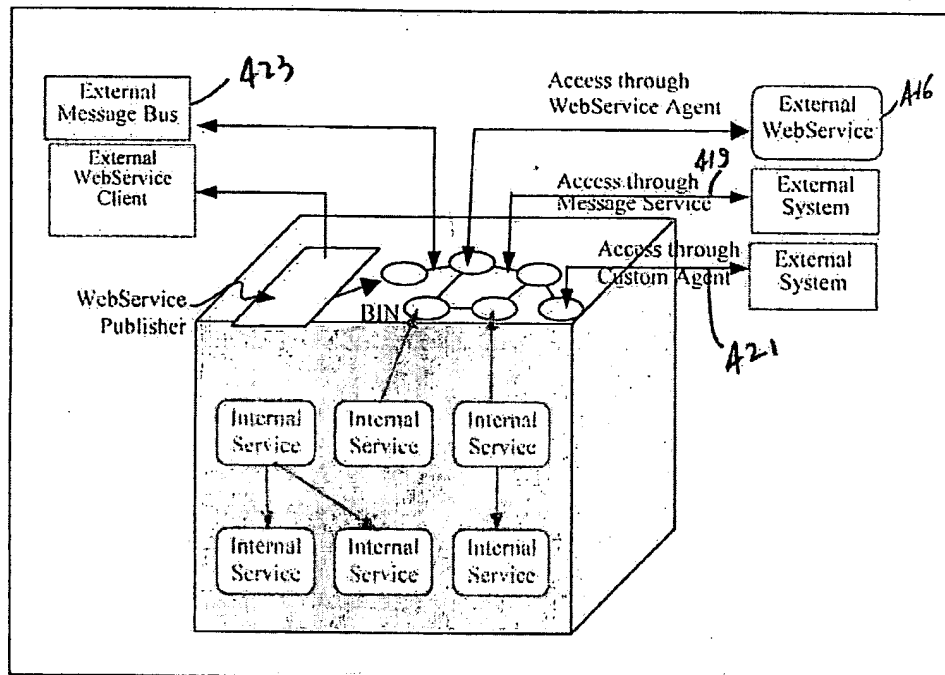


FIGURE 19

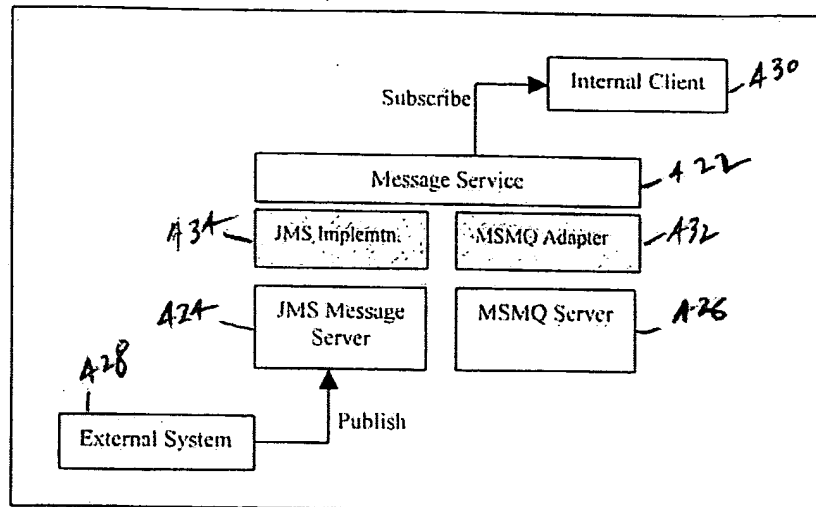


FIGURE 20

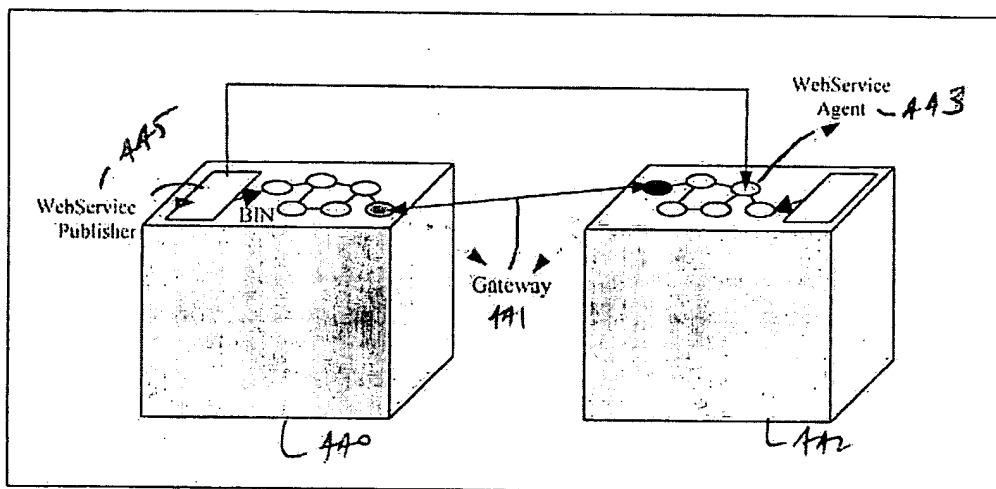


FIGURE 21

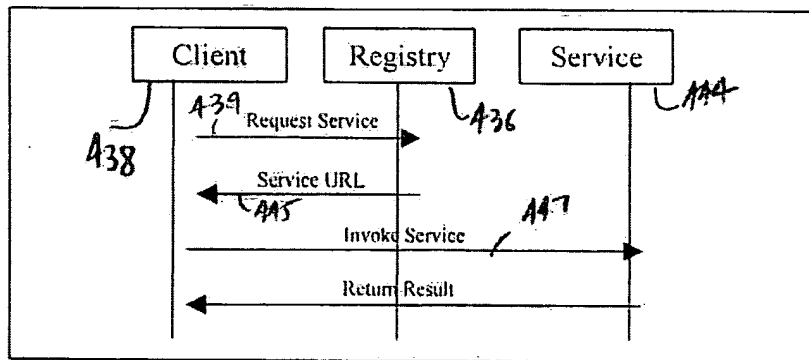


FIGURE 22

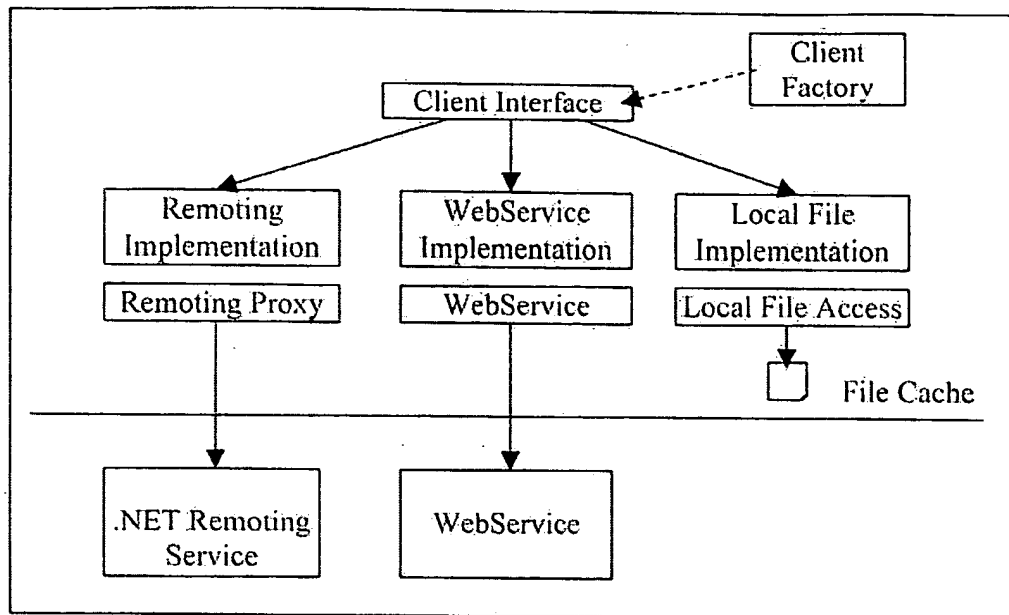


FIGURE 23

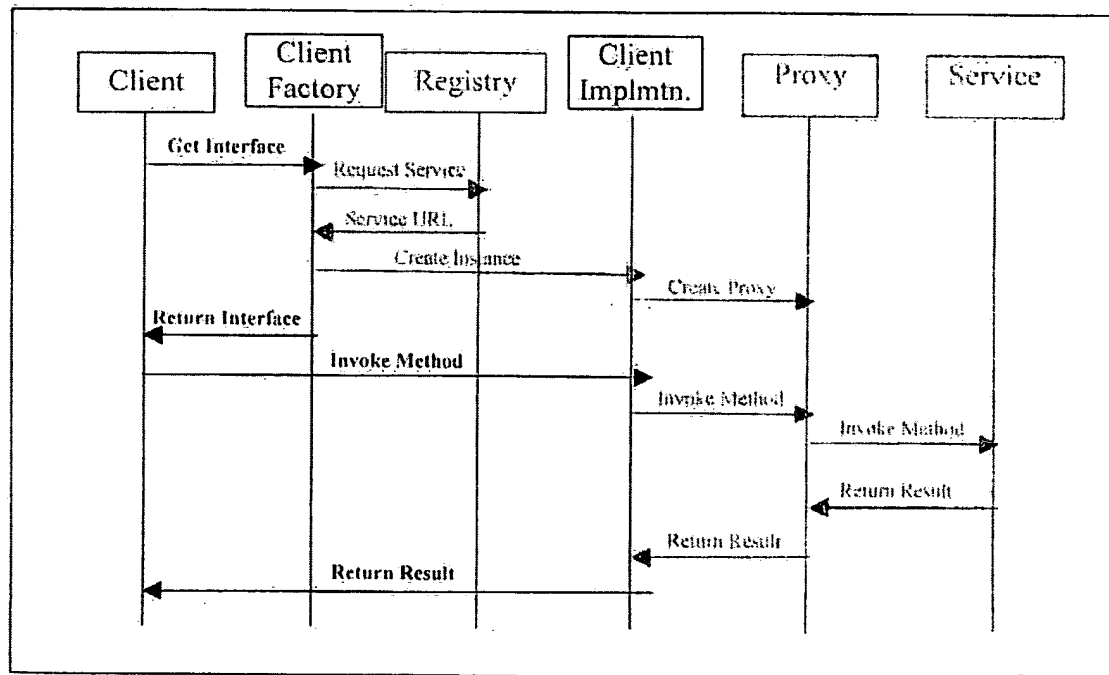


FIGURE 24

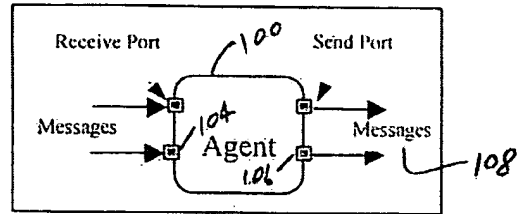


FIGURE 25

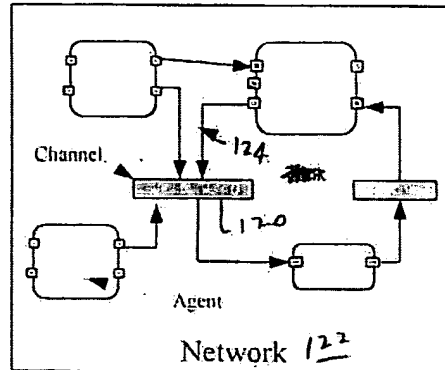


FIGURE 26

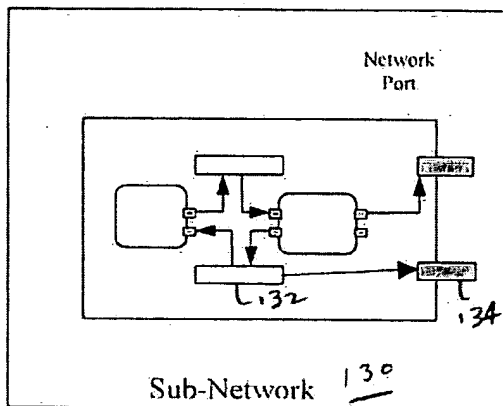


FIGURE 27

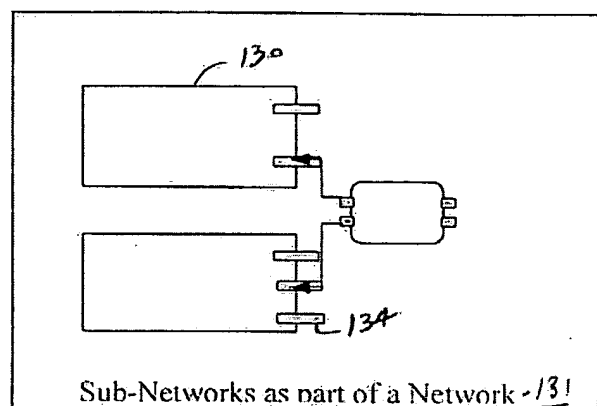


FIGURE 28

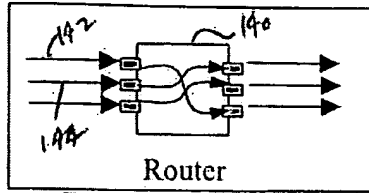


FIGURE 29

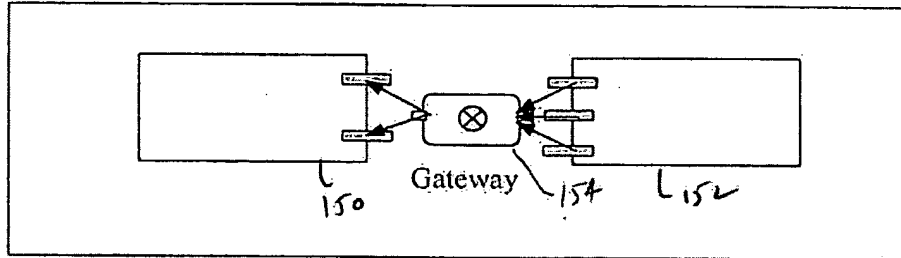


FIGURE 30

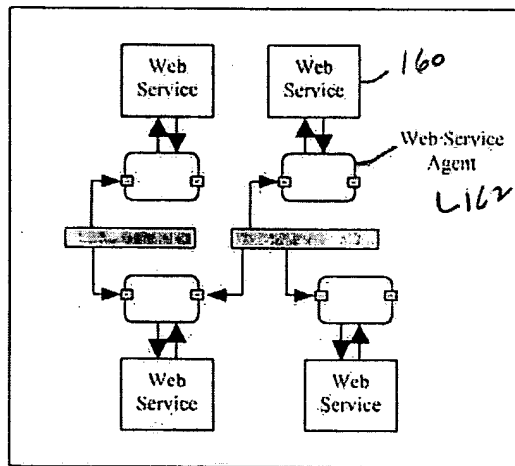


FIGURE 31

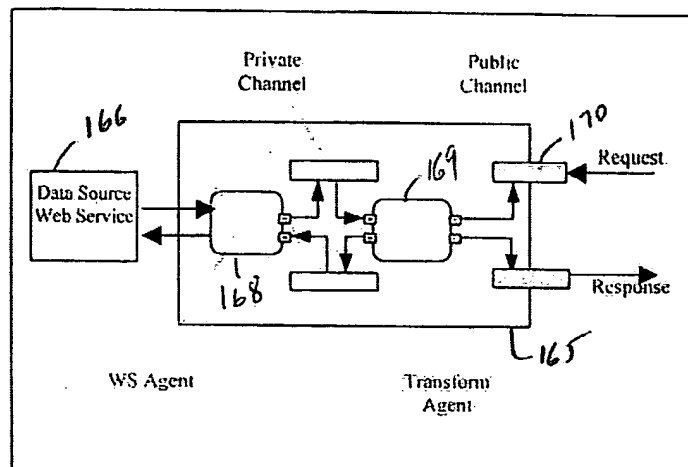


FIGURE 32

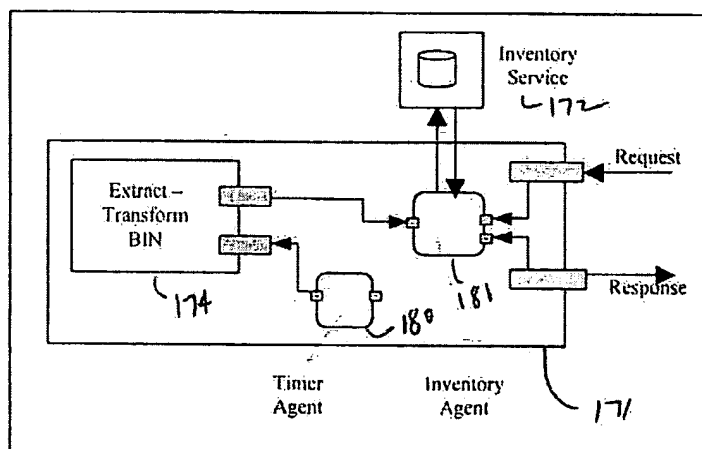


FIGURE 33

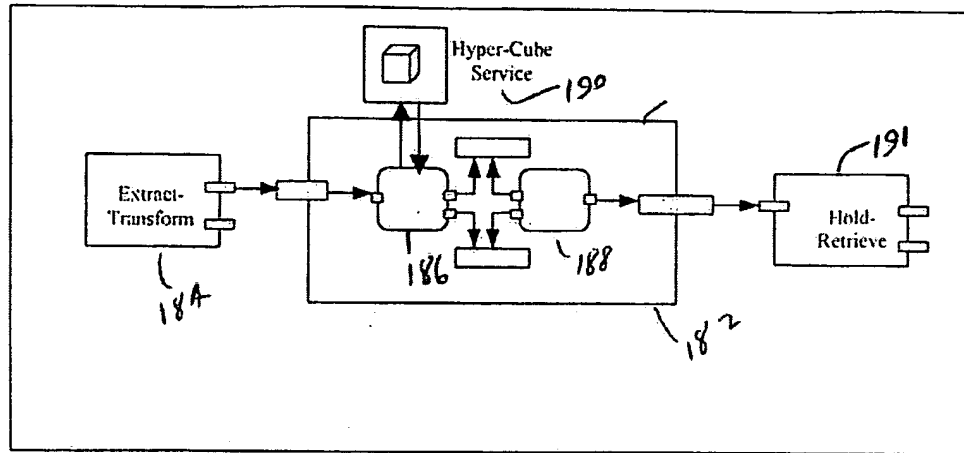


FIGURE 34

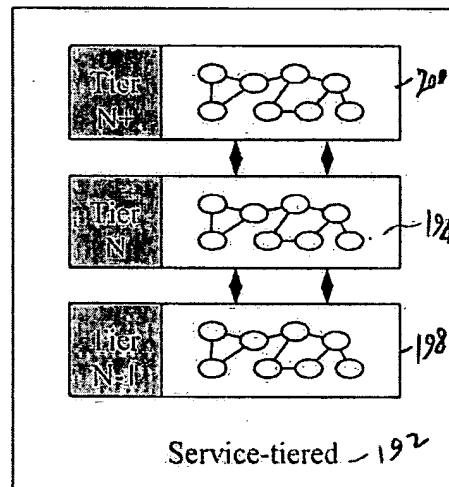


FIGURE 35

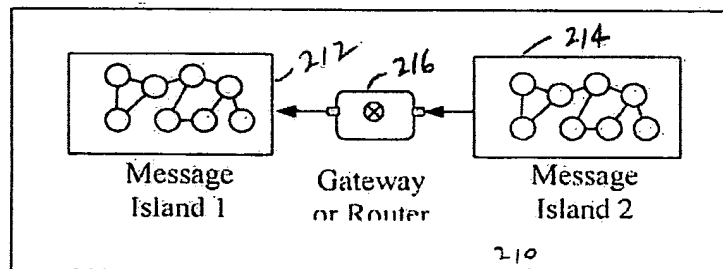


FIGURE 36

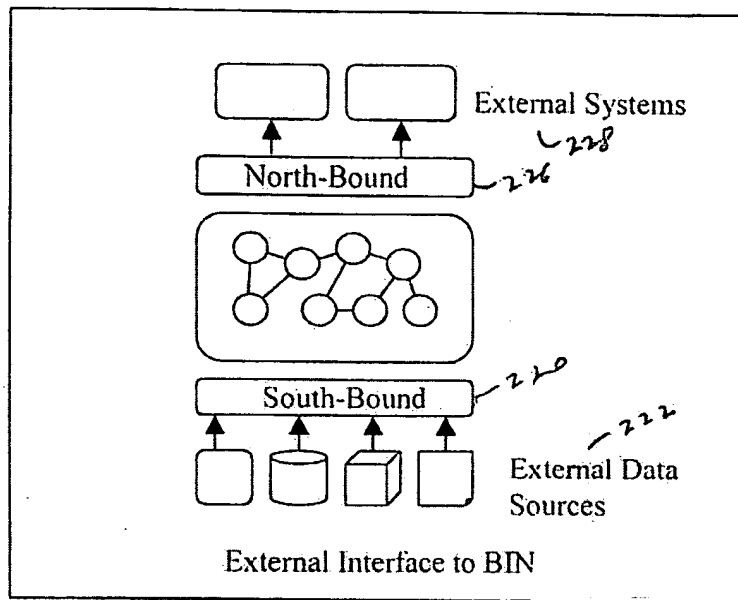


FIGURE 37

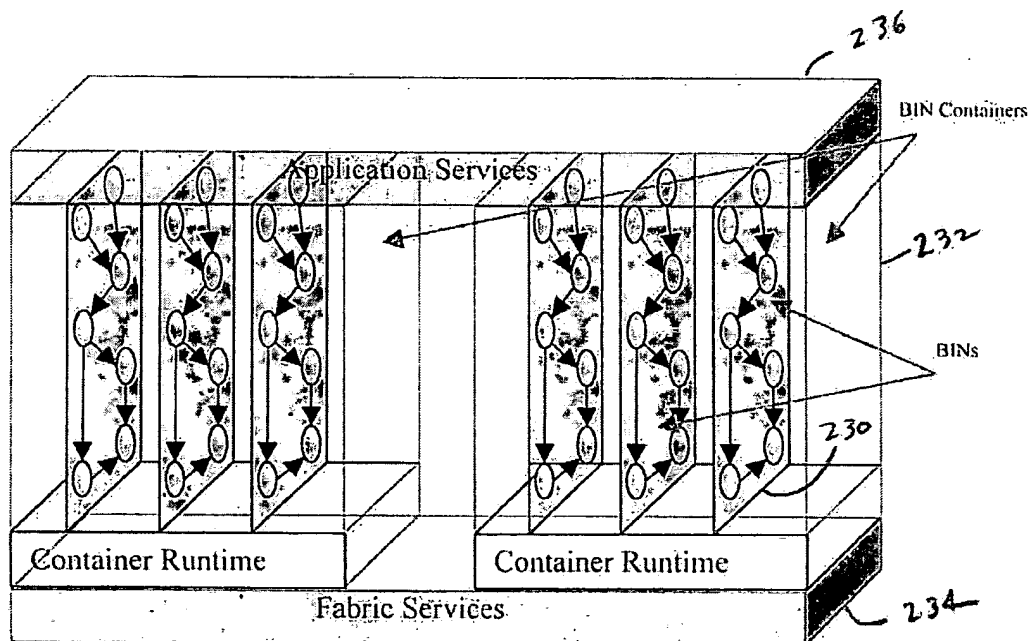


FIGURE 38

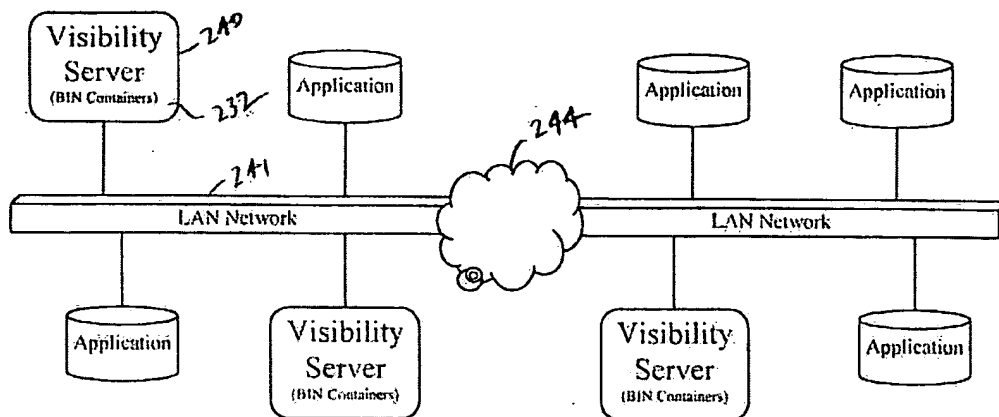


FIGURE 39

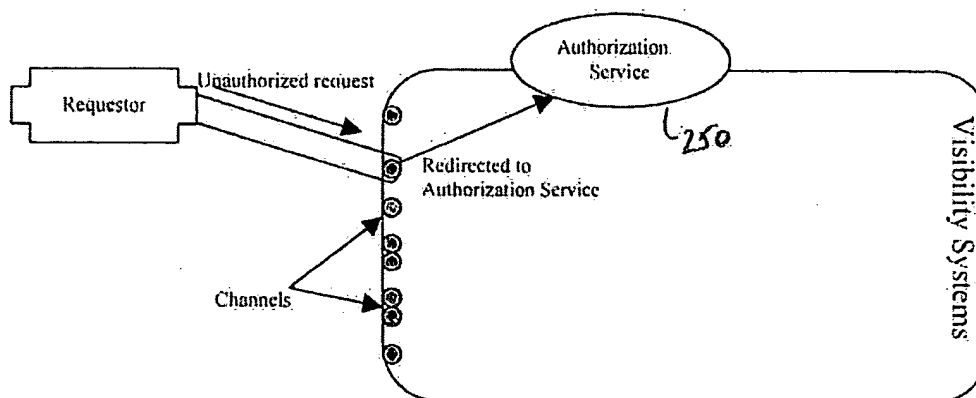
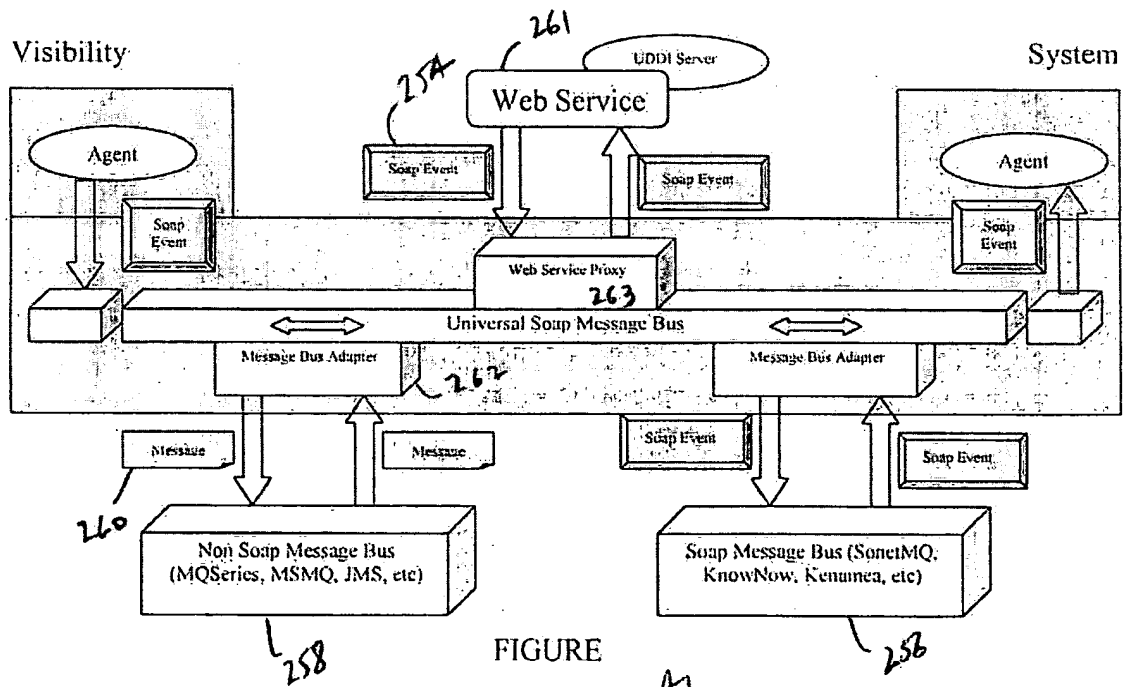


FIGURE 40



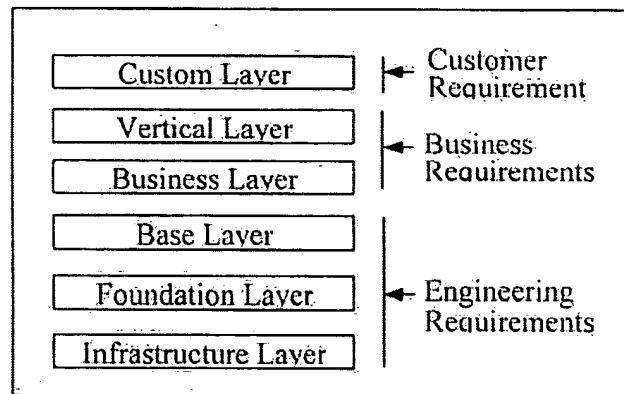


FIGURE *A2*

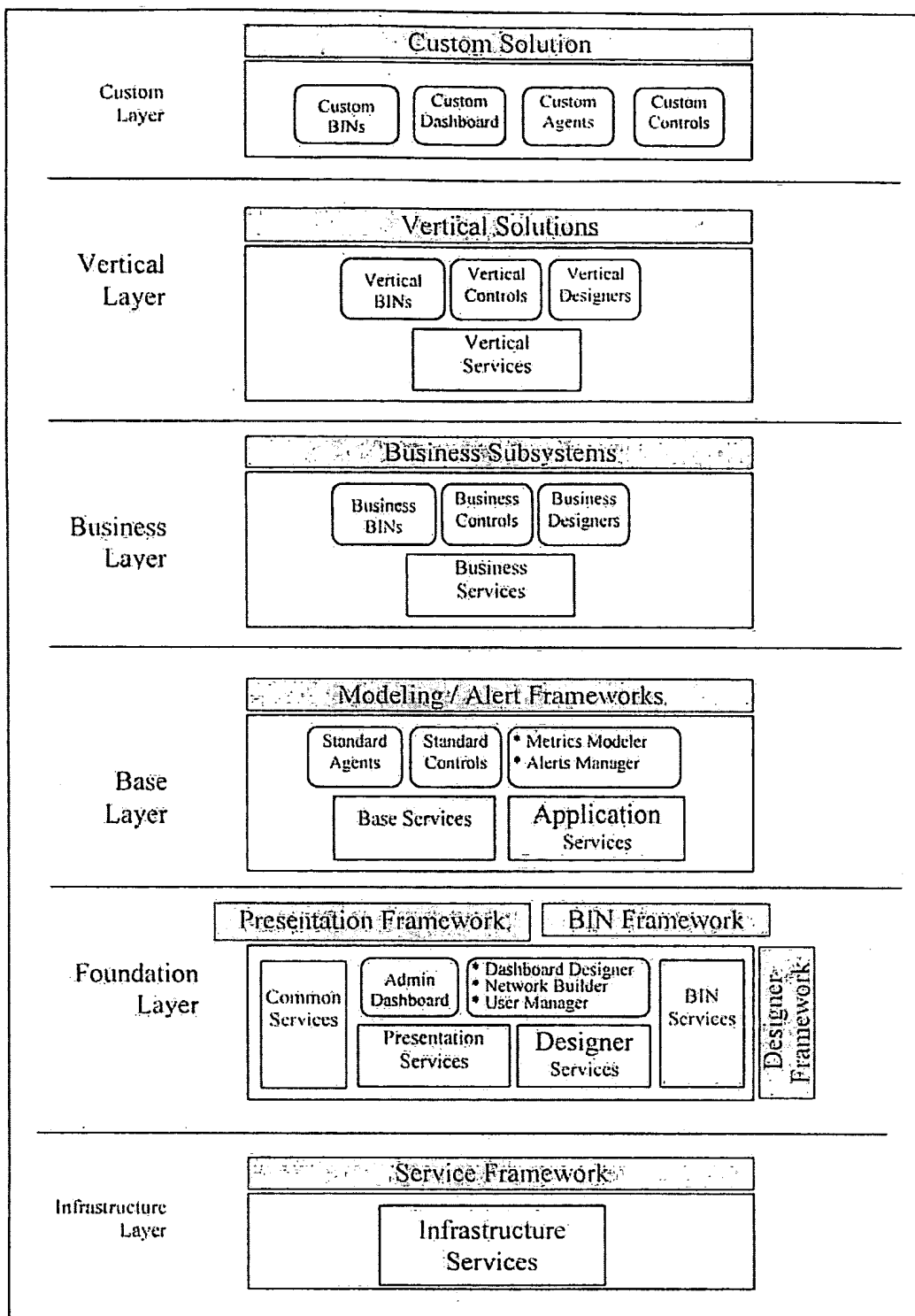


FIGURE 43

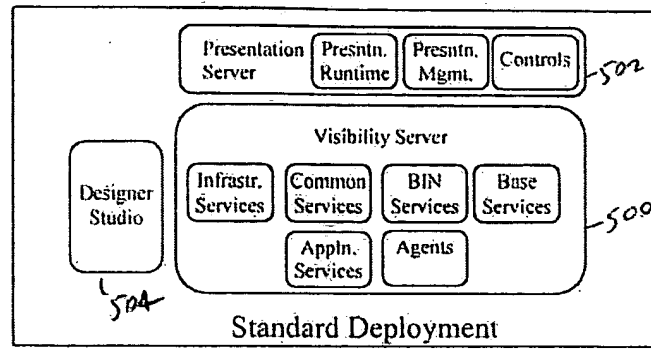


FIGURE 44

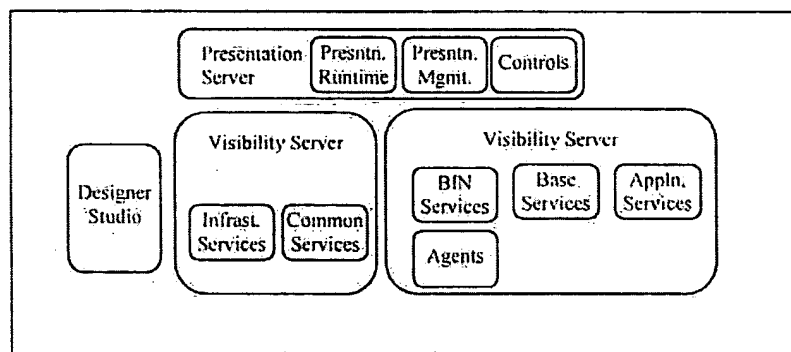


FIGURE 45

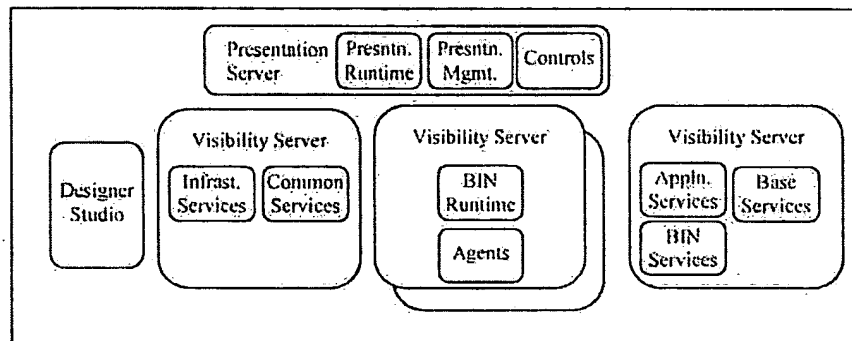


FIGURE 46

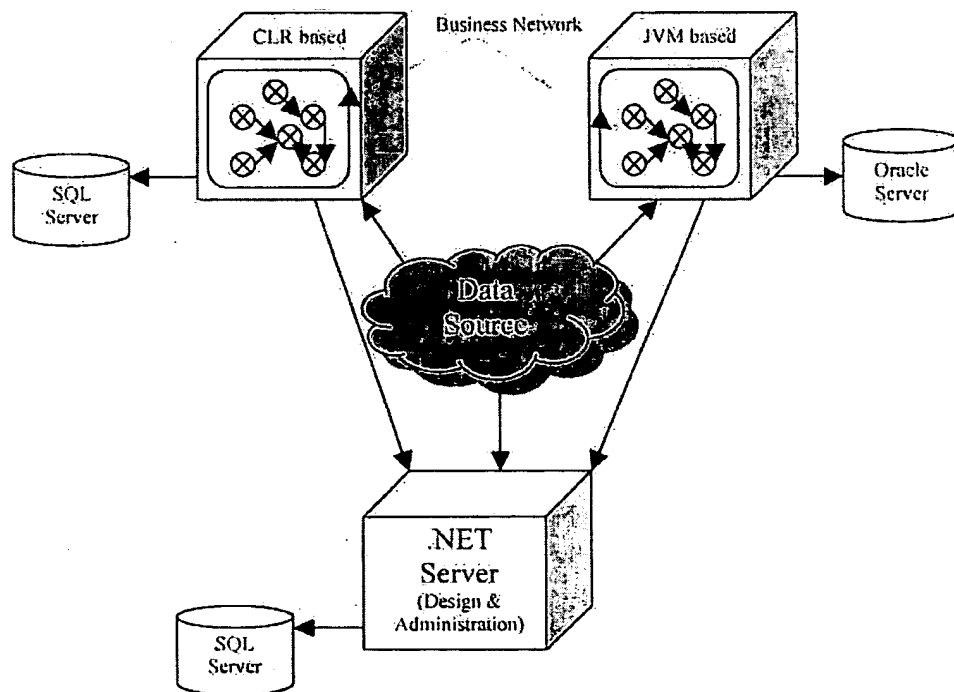


FIGURE 17

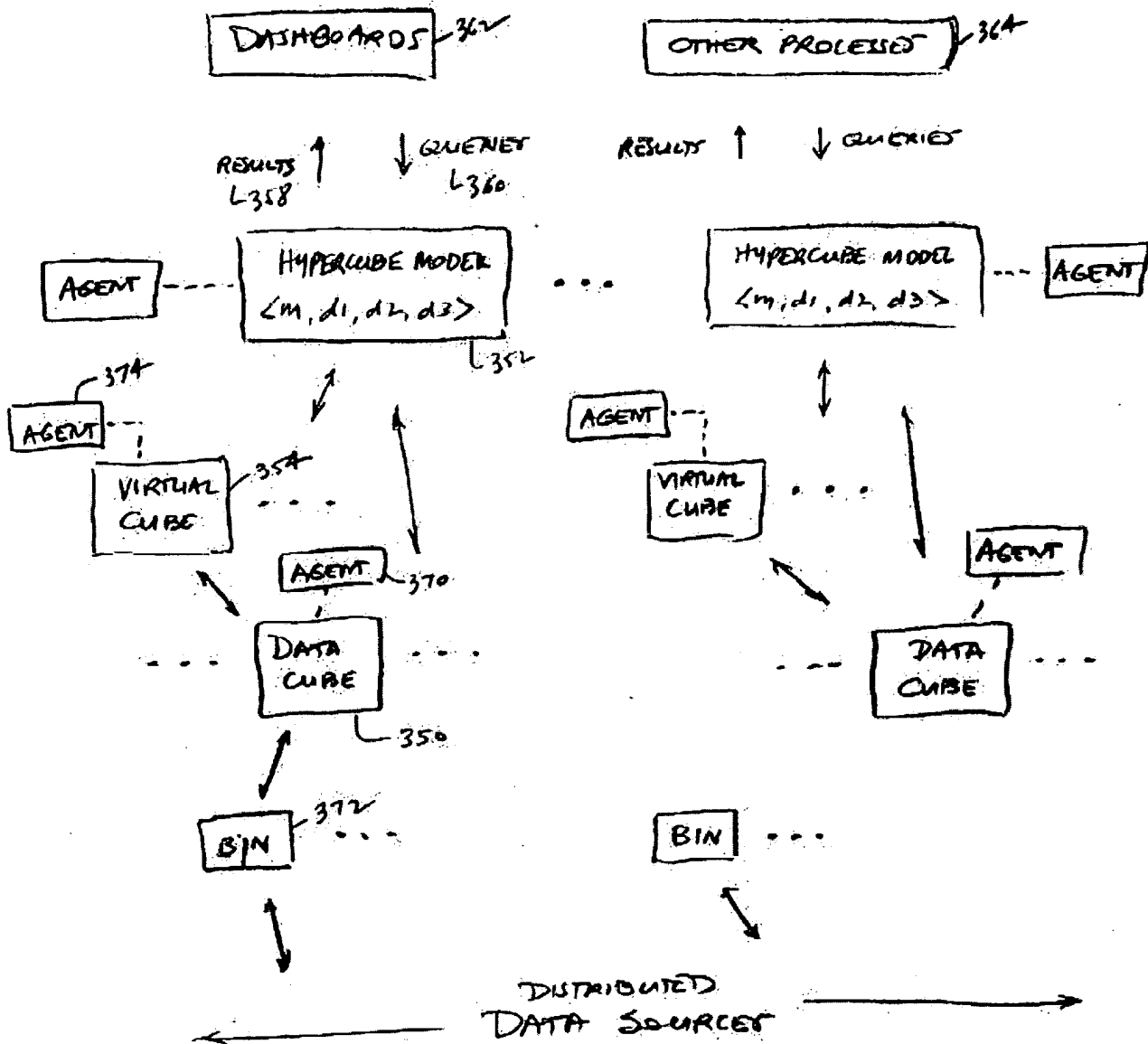


FIGURE A8